CONTENTS OF HEREDITAS, VOLUME 130:1–3 (1999)

Introduction by Pekka Pamilo and Mats Höggren.

191 Anamthawat-Jónsson, K. and Tómasson, T.
High frequency of triploid birch hybrid by *Betula nana* seed parent.

309 Andersson, A.-C., Thulin, C.-G. and Tegelström, H.
Applicability of rabbit microsatellite primers for studies of hybridisation between an introduced and a native hare species.

95 Andersson Escher, S. and Rasmuson-Lestander, Å.
The *Drosophila* glucose transporter gene: cDNA sequence, phylogenetic comparisons, analysis of functional sites and secondary structures.

33 Ayele, M., Tefera, H., Assefa, K. and Nguyen, H.T.
Genetic characterization of two *Eragrostis* species using AFLP and morphological traits.

25 Bubliy, O.A., Kalabushkin, B.A. and Imasheva, A.G.
Geographic variation of six allozyme loci in *Drosophila melanogaster*: an analysis of data from different continents.

145 Barker, J.S.F. and Starmer, W.T.
Environmental effects and the genetics of oviposition site preference for natural yeast substrates in *Drosophila buzzatii*.

111 Ding, Y., Chen, X. and Yan, L.
Botanical status of wild relatives to barley from the Qing-Zang plateau of China.

239 Ellegren, H.
Inbreeding and relatedness in Scandinavian grey wolves *Canis lupus*.

291 Ellegren, H., Carlson, A. and Stenberg, I.
Genetic structure and variability of white-backed woodpecker (*Dendrocopos leucotos*) populations in northern Europe.

301 Fedorov, V.B. and Goropashnaya, A.V.
The importance of ice ages in diversification of Arctic collared lemmings (*Dicrostonyx*): evidence from the mitochondrial cytochrome b region.

337 Flagstad, Ø., Olsaker, I. and Røed, K.H.
The use of heterologous primers for analysing microsatellite variation in hartebeest *Alcelaphus buselaphus*.

195 Frankham, R.
Resolving conceptual issues in conservation genetics: the roles of laboratory species and meta-analyses.

125 Goncharov, N.P.
Genetics of growth habit (spring vs. winter) in tetraploid wheats: production and analysis of near-isogenic lines.

57 Grausgruber, H., Lemmens, M., Bürstmayr, H. and Ruckenbauer, P.
Resistance of 'Chinese Spring' substitution lines carrying chromosomes from 'Cheyenne', 'Hope' and 'Lutescens 62' wheats to head blight caused by *Fusarium culmorum*.

89 Hauser, T.P. and Østergård, H.
Precocious germination of *Brassica rapa* × *B. napus* seeds within pods.

105 Helou, K., Yan, Q., Yuan, X.-j., Kunz, H.W., Levan, G. and Gill, T.J. III
Cytogenetic localization of the growth and reproduction complex (*Grc*) in the rat and in the mouse and its position in relation to *RT1.EC* and other loci in the rat MHC.

245 Holsinger, K.E.
Analysis of genetic diversity in geographically structured populations: A Bayesian perspective.

83 Jarl, C.I.
Plant regeneration and transient expression after particle bombardment of different barley (*Hordeum vulgare* L.) genotypes.

325 Jensen, P.M., Kaufmann, U. and Smirnova, L.
Diurnal activity of *Ixodes ricinus* in Denmark: Aspects of physiological age and genotypic variation.

203 Laikre, L.
Conservation genetics of Nordic carnivores: lessons from zoos.

19 Lauteala, T., Mykkänen, J., Horelli-Kuitunen, N., Aaltonen, J., Paavola, P., Savontaus, M.-L., Simell, O. and Aula, P.
Characterization of the lysinuric protein intolerance (LPI) region within T-cell receptor α/δ gene cluster on chromosome site 14q11.

117 Li, C.
Isozyme variation in natural populations of *Eucalyptus microtheca*.

51 Linde-Laursen, I., Frederiksen, S. and Seberg, O.
The Giemsa C-banded karyotype of *Crithopsis delileana* (Poaceae; Triticeae).

131 Maćkowiak, M. and Heneen, W.K.
Meiotic karyotypes of the B genomes of *Brassica nigra* and *B. carinata*.

217 Moritz, C.
Conservation units and translocations: strategies for conserving evolutionary processes.

331 Mucci, N., Pertoldi, C., Madsen, A.B., Loeschcke, V. and Randi, E.
Extremely low mitochondrial DNA control-region sequence variation in the otter *Lutra lutra* population of Denmark.

65 Navarro-Sabaté, À., Aguadé, M. and Segarra, C.
The *Acid phosphatase-1* gene region in the *Drosophila* species of the *subobscura* cluster.

265 Nielsen, E.E., Hansen, M.M. and Loeschcke, V.
Analysis of DNA from old scale samples: technical aspects, applications and perspectives for conservation.

137 Nkongolo, K.K.
RAPD and cytological analyses of *Picea* spp. from different provenances: genomic relationships among taxa.

177 Ohta, S. and Saruhashi, Y.
Geographical distribution of B chromosomes in *Aegilops mutica* Boiss., a wild relative of wheat.

229 Pamilo, P. and Savolainen, O.
Post-glacial colonization, drift, local selection and conservation value of populations: a northern perspective.

257 Pamilo, P., Pálsson, S. and Savolainen, O.
Deleterious mutations can reduce differentiation in small, subdivided populations.

1 Pessino, S.C., Ortiz, J.P.A., Hayward, M.D. and Quarin, C.L.
The molecular genetics of gametophytic apomixis.

277 Primmer, C.R., Aho, T., Piironen, J., Estoup, A., Cornuet, J.-M. and Ranta, E.
Microsatellite analysis of hatchery stocks and natural populations of Arctic charr, *Salvelinus alpinus*, from the Nordic region: implications for conservation.

317 Sjögren-Gulve, P. and Berg, L.M.
Allozyme variation as a demographic predictor at high latitudes: the moor frog and the pool frog at 60°N.

41 Subudhi, P.K. and Huang, N.
RAPD mapping in a doubled haploid population of rice (*Oryza sativa* L.).

189 Sucharov, C.C., Silva, R., Rondinelli, E. and Moura-Neto, R.S.
Fragile X trinucleotide repeats from a normal population in Rio de Janeiro, Brazil.

13 Suvanto, L., Liimatainen, J.O. and Hoikkala, A.
Variability and evolvability of male song characters in *Drosophila montana* populations.

185 Taketa, S., Ando, H., Takeda, K. and von Bothmer, R.
Detection of *Hordeum marinum* genome in three polyploid *Hordeum* species and cytotypes by genomic in situ hybridization.

77 Tanno, K.-I., Takaiwa, F., Oka, S. and Komatsuda, T.
A nucleotide sequence linked to the *vrs1* locus for studies of differentiation in cultivated barley (*Hordeum vulgare* L.).

341 Waldmann, P. and Andersson, S.
Multilocus and multitrait differentiation of populations of the locally rare plant *Scabiosa canescens* and the more common *S. columbaria*.